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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/755,437	01/05/2001	Richard L. McCreery	OSU1159-141	5136
8698 7.	590 05/15/2003			
STANDLEY & GILCREST LLP			EXAMINER	
SUITE 210	LACE SOUTH		ZACHARIA, RAMSEY E	
DUBLIN, OH	43017		ART UNIT	PAPER NUMBER
			1773	Н
			DATE MAILED: 05/15/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

·		AS-4			
	Application No.	Applicant(s)			
	09/755,437	MCCREERY, RICHARD L.			
Offic Action Summary	Examiner	Art Unit			
	Ramsey Zacharia	1773			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR R THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 Conditions of the second street of th	ON. FR 1.136(a). In no event, however, may a on. a reply within the statutory minimum of the period will apply and will expire SIX (6) MO statute, cause the application to become A	reply be timely filed irty (30) days will be considered timely. NTHS from the mailing date of this communication. BBANDONED (35 U.S.C. § 133).			
1) Responsive to communication(s) filed on					
2a) ☐ This action is FINAL . 2b) ☑	This action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims					
4) Claim(s) 1-49 is/are pending in the applic	ation.				
4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.					
6) Claim(s) is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) 1-49 are subject to restriction and/or election requirement.					
Application Papers					
9) The specification is objected to by the Examiner.					
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.					
If approved, corrected drawings are required in reply to this Office action.					
12) The oath or declaration is objected to by the Examiner.					
Priority under 35 U.S.C. §§ 119 and 120					
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).					
a) ☐ All b) ☐ Some * c) ☐ None of:					
1. Certified copies of the priority docum					
2. Certified copies of the priority docum					
3. Copies of the certified copies of the application from the Internationa * See the attached detailed Office action for a	al Bureau (PCT Rule 17.2(a)).	_			
14) Acknowledgment is made of a claim for don	nestic priority under 35 U.S.C	§ 119(e) (to a provisional application).			
a) ☐ The translation of the foreign language 15)☐ Acknowledgment is made of a claim for dor					
Attachment(s)					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948 3) Information Disclosure Statement(s) (PTO-1449) Paper No.	3) 5) Notice of	Summary (PTO-413) Paper No(s) Informal Patent Application (PTO-152)			
U.S. Patent and Trademark Office PTO-326 (Rev. 04-01) Office	ce Action Summary	Part of Paper No. 4			

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DETAILED ACTION

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - Claims 1-18 and 44-46, drawn to a monolayer construction, classified in class
 428, subclass 338.
 - II. Claims 19-34, 39-41, and 47-49 drawn to an electronic junction, classified in class428, subclass 411.1.
 - III. Claims 35-38, drawn to a pixel array, classified in class 349, subclass 1+.
 - IV. Claim 42, drawn to a memory device, classified in class 360, subclass 137.
 - V. Claim 43, drawn to a field emitter, classified in class 257, subclass 9+.

The inventions are distinct, each from the other because of the following reasons:

2. Inventions I and II-V (i.e. I and II, I and III, etc.) are related as subcombination and combination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the roughness of the substrate in Groups II-V can be greater than the average length of the molecular units. The subcombination has separate utility such as an field emitter for the combinations of Groups II-IV and a pixel array for the combination of Group V.

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3. The inventions of Groups II-V are unrelated to each other. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the inventions are not disclosed as capable of use together and have different modes of operation, functions, and effects since the invention of Group II is an electronic junction, that of Group III is a pixel array, that of Group IV is a memory device, and that of Group V is a field emitter.

- 4. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.
- 5. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).
- 6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ramsey Zacharia whose telephone number is (703) 305-0503.

 The examiner can normally be reached on Monday through Friday from 9 to 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul Thibodeau, can be reached on (703) 308-2367. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9310 for non afterfinal correspondences and (703) 872-9311 for after-final correspondences.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

Ramsey Zacharia

Primary Examiner

Technology Center 1700

5/14/03